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**Volume rendering by adaptive refinement-** [►152.2.128.80 \(pdf\)](#)

M Levoy - The Visual Computer, 1990 - Springer

... 1 in the last frame, rays are **cast** from every ... Dippe MAZ, Wold EH (1985) Antialiasing **through** stochastic sampling. ... optimized sampling for distributed **ray** tracing ...

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**Display of surfaces from volume data-** [►152.2.128.80 \(pdf\)](#)

M Levoy - IEEE Computer Graphics and Applications, 1988 - [ieeexplore.ieee.org](#)

... of having to make a binary classification decision: Either a surface passes **through** the current ... In the current implementation, we **cast** one **ray** per pixel. ...

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**A survey of algorithms for volume visualization-** [►duke.edu \(pdf\)](#)

TT Elvins - Computer Graphics, 1992 - [portal.acm.org](#)

... Image-order methods V-buffer **Ray**-casting Splatting ... approximation to the surface passing **through** high-gradient ... in the description of **volume** visualization methods ...

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**Raytracing irregular volume data**

MP Garrity - Proceedings of the 1990 workshop on Volume ..., 1990 - [portal.acm.org](#)

... Rays are then **cast** from the eye, and integrate the opacity ... value at the point at which the **ray** enters the ... at which it exits, we can integrate **through** the cells ...

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**Three-dimensional Volume Rendering of Spiral CT Data: Theory and Method 1-** [►rsnaajnlis.org](#)

PS Calhoun, BS Kuszyk, DG Heath, JC ... - Radiographics, 1999 - RSNA

... has some computational advantages over **ray** casting and ... Planes **through** the **volume** are shifted relative to a ... and accurate measurements in **volume**-rendered images. ...

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**Semi-automatic generation of transfer functions for direct volume rendering-** [►psu.edu \(pdf\)](#)

G Kindimann, JW Durkin - IEEE Symposium on Volume Visualization, 1998 - [doi.ieeecomputersociety.org](#)

... **algorithms**: a non- polygonal **ray-cast** isosurface **rendering** ... objects in real world **volume data**, the method ... perpen- dicular to an isosurface **through** that **position** ...

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**Surface and volume rendering techniques to display 3-D data**

C Barillot - IEEE Engineering in Medicine and Biology Magazine, 1993 - [ieeexplore.ieee.org](#)

... Hence a **ray** passing **through** the pixel  $p(x, y)$  becomes: ... about which the rays have to be **cast** in order ... 4. Camera model for **ray**-tracing with perspective view. ...

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**Plenoptic modeling: An image-based rendering system-** [►psu.edu \(pdf\)](#)

L McMillan, G Bishop - Proceedings of the 22nd annual conference on ..., 1995 - [portal.acm.org](#)

... these images as endpoints along some path **through** time and ... for each image point along the **ray**'s path. ... image-based **rendering** approaches can be **cast** as attempts ...

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**Towards a comprehensive volume visualization system**

RS Avila, LM Sobierajski, AE Kaufman - Proceedings of the 3rd conference on Visualization'92, 1992 - [portal.acm.org](#)

... Given this information we need not **cast** rays which do ... over all the samples along

the **ray** to the ... this information can be approximated quickly **through** the use of ...

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[PDF] ► [A practical evaluation of popular \*\*volume rendering algorithms\*\*](#)

M Meißner, J Huang, D Bartz, K Mueller, R ... - Proceedings of the 2000 IEEE symposium on Volume ..., 2000 - cs.sunysb.edu

... for corner-on views, and it cannot be varied to allow for supersampling along the

**ray**. ... In Volpack, the number of rays sent **through** the **volume** is limited to ...

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